



2015 Updates to NASA SBIR/STTR Program

Carol R. Lewis

JPL SBIR/STTR Technology Infusion Manager

November 10-12, 2015



Jet Propulsion Laboratory
California Institute of Technology

Mirror Technology SBIR/STTR Workshop
Annapolis, MD

Overview

- Solicitation Release Information
- 2014 Phase II SBIR/STTR Awards
- 2015 Phase I SBIR/STTR Awards
- State-Based SBIR/STTR Statistics
- SBIR 2015 Road Tour
- Office of the Chief Technologist (OCT) Technology Roadmaps
- Space Technology Mission Directorate and SBIR/STTR
- Additional Information
- NASA and JPL SBIR/STTR Points of Contact

NASA SBIR/STTR Solicitation Releases

- 2015 Solicitation:
 - Released 11/14/2014 – Now Closed
- 2016 Solicitation:
 - Anticipate Presolicitation to be posted in FedBizOpps, late October.
 - **Anticipate 2016 Solicitation to be released by HQ on or about 11/12/2015 at <http://sbir.nasa.gov>**
 - Until release, we are in the Open Period - but cannot disclose details of the upcoming 2016 Solicitation.
 - After release, the converse - 2016 Solicitation information will be public but we will be in the Blackout Period.
 - Reminder: During the Blackout Period we can discuss existing SBIR work as usual, and general NASA needs and interests not connected directly to the open Solicitation. However - we cannot provide companies with any additional details or clarification related to the open Solicitation.

2014 NASA Phase II SBIR/STTR Awards

- On 4/15/2015, NASA issued Press Release 15-063*, announcing their selections for Program Year '14 Phase II proposals to enter contract award negotiations.
 - General Phase II projects ranged up to \$750K/24 months, and Select Phase II projects, up to \$1.5M/24 months.
 - Of 352 Phase II proposals received, NASA selected 149 (42.3%), including 119 General SBIR (\$88.8M); 9 Select SBIR (\$13.5M) and 21 STTR (\$15.8M). These projects have a total value of \$118.1M, supporting 117 U.S. small businesses and research institutions in 26 states.
- Technical work then commenced in May/June 2015, under contracts negotiated by the NASA Shared Services Center (NSSC).

*The press release is also available at: http://sbir.gsfc.nasa.gov/selection_press_rel/node/54501

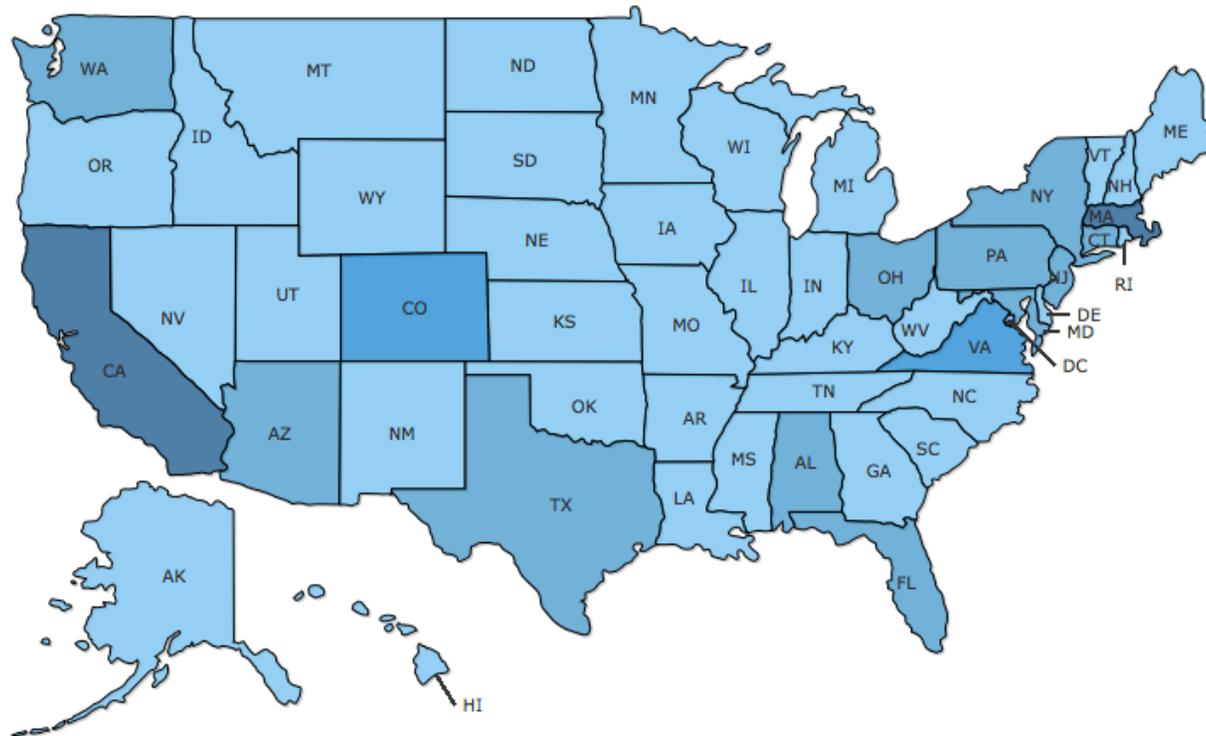
2015 NASA Phase I SBIR/STTR Awards

- On 4/30/2015, NASA issued Press Release 15-073*, announcing their selections for Program Year '15 Phase I proposals to enter contract award negotiations.
 - Phase I feasibility studies (\$125K/6 months) evaluate scientific and technical merit.
 - Of 1285 Phase I proposals received, NASA selected 381 (29.6%), including 324 General SBIR (\$40.5M), 7 Select SBIR (\$875K), and 50 STTR (\$6.3M). These projects have a total value of \$47.7M, supporting 254 U. S. small businesses and 39 research institutions.
- Technical work then commenced in mid-June 2015, under contracts negotiated by the NSSC.

* The press release is also available at: http://sbir.gsfc.nasa.gov/selection_press_rel/node/54497

State-Based SBIR/STTR Statistics

Click on the desired State to retrieve proposal and award statistics for that State.



Select a state to view detailed state based statistics.

Interactive map with detailed Phase I and Phase II data by state is at http://sbir.gsfc.nasa.gov/states_stats_all

SBIR 2015 Road Tour - Overview



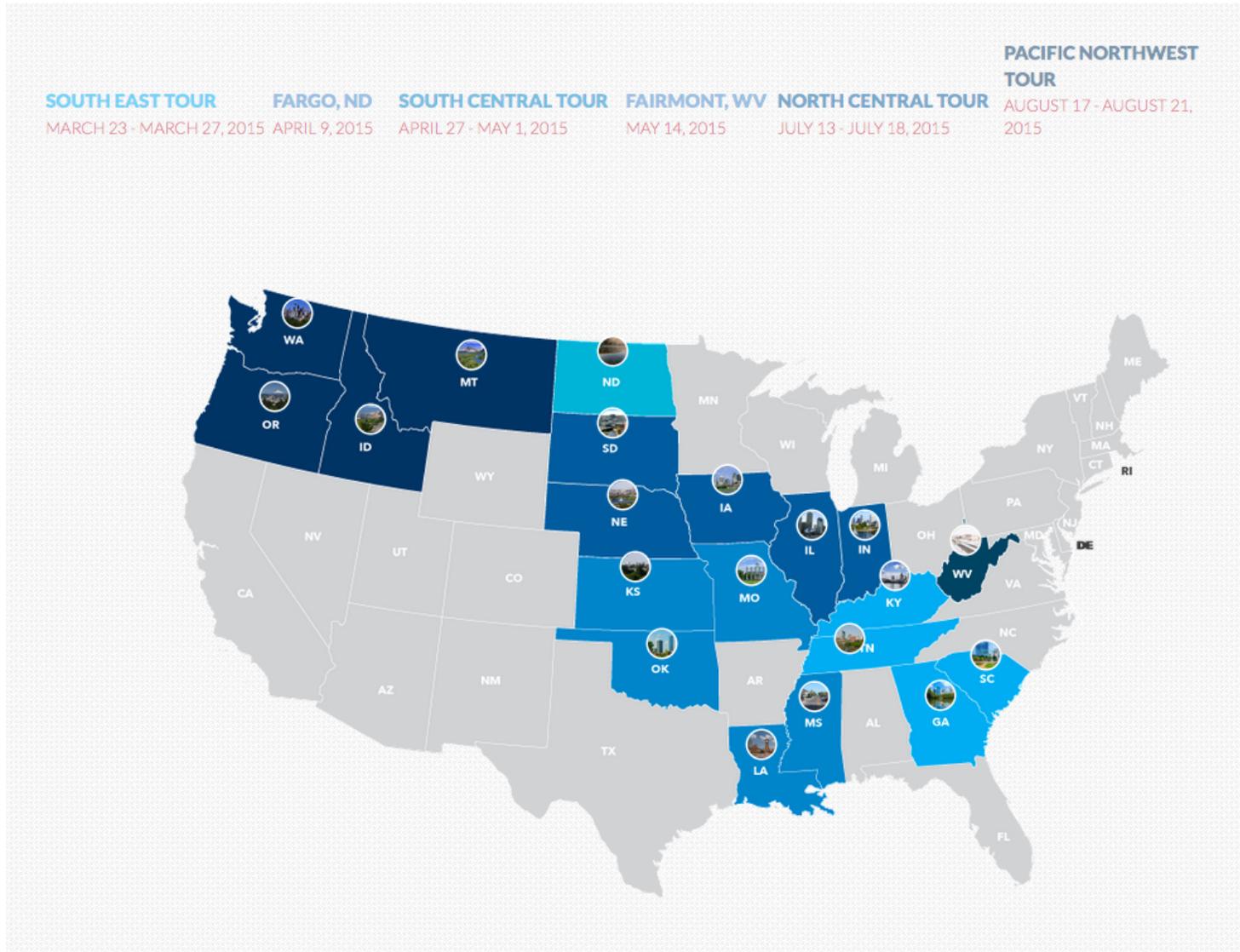
The SBIR Road Tour is a national outreach effort to convey the non-dilutive technology funding opportunity provided through the **Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) programs**. The SBIR/STTR programs annually provide \$2.5 billion in funding to small advanced technology firms to spur new technological discoveries and facilitate the commercialization of innovations. Together they represent America's Largest Seed Fund.

Local innovation supporters in communities who have historically underutilized the opportunities provided through the SBIR/STTR programs have invited representatives of America's Largest Seed Fund to engage the small advanced technology community, including women and minority-owned research and development businesses. Every SBIR Road Tour stop represents a coveted opportunity to meet directly with Federal and State Program Managers who seed a wide spectrum of innovative ideas, while learning about your state sponsored innovation support infrastructure.

Presented by the Small Business Administration (SBA) with participation by all the Federal SBIR/STTR Agencies, including NASA.

<http://www.sbirroadtour.com/sbir.php>

SBIR 2015 Road Tour – Locations Visited



<http://www.sbirroadtour.com/dates.php>

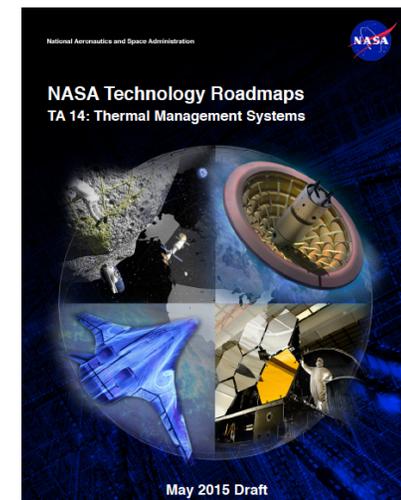
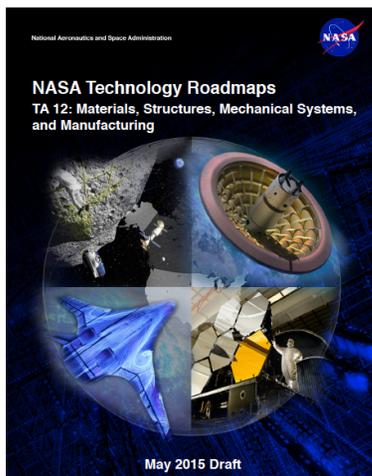
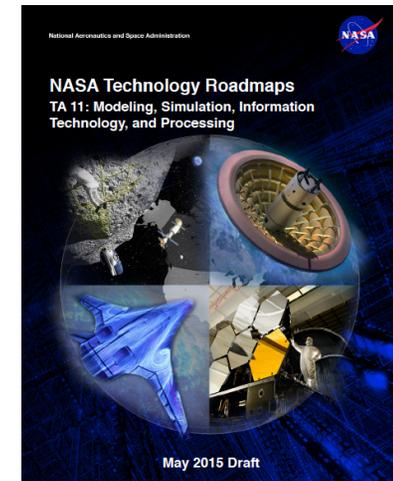
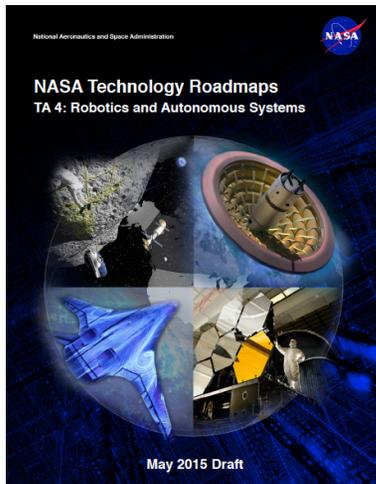
NASA Office of the Chief Technologist (OCT) Technology Roadmaps

- In 2010, NASA developed a set of 14 Technology Roadmaps, published in 2012, to guide the development of space technologies.
- The 2015 NASA Technology Roadmaps (now 15) expand and update the original 2012 roadmaps, providing extensive detail about anticipated NASA mission capabilities and associated technology development needs.
- The Roadmaps feed into OCT's Strategic Technology Investment Plan (STIP).
 - The STIP provides strategy for developing technologies essential to the NASA mission and to National goals. It prioritizes the technology candidates within the roadmaps, and provides guidelines for technology investment.
 - The recommendations provided by the National Research Council (NRC) heavily influence NASA's technology prioritization.

<http://www.nasa.gov/offices/oct/home/roadmaps/index.html>

<http://www.nasa.gov/offices/oct/home/sstip.html>

OCT Technology Roadmaps of Primary Interest to Mirror Technology



<http://www.nasa.gov/offices/oct/home/roadmaps/index.html>

NASA's Space Technology Mission Directorate and how SBIR/STTR Fits In

- SBIR/STTR is a relatively large and high visibility program within the Space Technology Mission Directorate (STMD).

<http://www.nasa.gov/directorates/spacetech/programs>

- STMD is responsible for developing crosscutting and pioneering new technologies and capabilities which NASA needs for current and future missions.
 - NASA infusion opportunities that are crosscutting would be typically funded by higher TRL STMD programs, such as Game Changing Development (GCD), Small Spacecraft Technology, and Technology Demonstration Missions (TDM).
 - NASA infusion opportunities that are specific to a particular mission directorate (MD) would be typically funded by that MD.
- STMD uses merit-based competition to generate a technology portfolio which covers a range of discipline areas and technology readiness levels.

http://www.nasa.gov/directorates/spacetech/about_us/index.html

Additional Information

- SBIR/STTR Reauthorization Bill (H.R.1540) – Part of the National Defense Authorization Act for Fiscal Year 2012. Available via
<http://thomas.loc.gov/home/thomas.php> (*under Advanced Search, go to 112th Congress and search for H.R.1540*)
- SBIR and STTR Policy Directives
<https://www.sbir.gov/about/about-sbir#sbir-policy-directive> (SBIR)
<https://www.sbir.gov/about/about-sttr#sttr-policy-directive> (STTR)
- Small Business Administration (SBA) Home Page
<http://www.sba.gov>
- Official SBA News Blog
<http://www.sba.gov/community/blogs/official-sba-news-and-views>
- Federal SBIR Official Website – All Agencies
<http://www.sbir.gov/>
- NASA SBIR Home Page
<http://sbir.gsfc.nasa.gov/>
- NASA Space Technology Mission Directorate (STMD)
<http://www.nasa.gov/directorates/spacetech/home/index.html>
- NASA Office of the Chief Technologist (OCT)
<http://www.nasa.gov/offices/oct/home/index.html>
- SBIR Gateway
<http://www.zyn.com/sbir/>

Establishing NASA SBIR Points of Contact

- We may communicate with companies about NASA/JPL SBIR/STTR needs, technical relevance, applications, technical subtopic details and clarifications, etc.
 - **The one exception is the Blackout Period (from Solicitation Release through Phase I Awards Announcement).**
 - During the Blackout Period we can discuss existing SBIR work as usual, and general NASA needs and interests not connected directly to the Solicitation.
 - **However - we cannot provide companies with any additional details or clarification related to the open Solicitation.**
- You are encouraged to contact us!
 - **If you do not already have NASA technical point(s) of contact, you can contact the SBIR Technology Infusion Manager (TIM) or the Mission Directorate Liaisons at the desired Center(s).**
 - <http://sbir.gsfc.nasa.gov/content/nasa-sbirsttr-program-contacts>
 - We can provide you with relevant leads and points of contact.

JPL SBIR Points of Contact

- Mark Davidson – Program Administration and Analysis
Mark.H.Davidson@jpl.nasa.gov
- Indrani Graczyk – Commercial Program/ SBIR Program Manager
Indrani.Graczyk@jpl.nasa.gov
- Carol Lewis – Technology Infusion Manager
Carol.R.Lewis@jpl.nasa.gov
- Janelle Nguyen – Administration Support
Janelle.Nguyen@jpl.nasa.gov
- Rich Terrile – Operations Manager
Richard.J.Terrile@jpl.nasa.gov
- Debbie Wolfenbarger – External Communications
Debora.L.Wolfenbarger@jpl.nasa.gov

(c) 2015 California Institute of Technology. Government sponsorship acknowledged.



Jet Propulsion Laboratory
California Institute of Technology